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ABSTRACT OF THE DISCLOSURE

10 A stimuable phosphor sheet is prepared by applying
an electron beam to a stimuable phosphor or its source
in a vacuum to vaporize a phosphor or its source and de-
positing the vaporized phosphor or source on the support,
under the condition that the electron beam is applied to
the stimuable phosphor or source at an accelerating
15 voltage of 1.5 kV to 5.0 kV. The stimuable phosphor or
its source is preferably in the form of a solid having a
relative density of 80% to 98%.